Signature

Name (Print/Type)

Thomas J. D'Amico

Complete if Known   Patentiff 7, Q22,555   Fee paid (s)   Patentiff 7, Q22,555   Patentiff 7, Q	Under the Page work Re	education Act of 1995.	no person are required to	U.S. Pate o respond to a collect	ent and Trade	roved for use through emark Office; U.S. DE ation unless it display	01/31/2007. OI	COMMERCE
FEE TRANSMITTAL FOR FY 2005  Application Number   Patentit* 7, 022, 555   Filing Date   Issued: April 4, 2006   First Named Inventor   John T. Moore   Examiner Name   J. M. Dolan   Applicant claims small entity status. See 37 CFR 1.27   Application Number   Application Number   James   Applicant Claims small entity status. See 37 CFR 1.27   Art Unit   2813   TOTAL AMOUNT OF PAYMENT (check all that apply)    Check   Credit Card   Money Order   None   Other (please identify):	THAB							
Fig.   For FY 2005   Fig.			ns Act, 2005 (H.R. 4818).	Application Nu				
For FY 2005	FEE TR	RANSMI	TTAL	Filing Date				
Application Type				First Named In	nventor	John T. Moore	e	
MATCH   MATC	<u> </u>	T F T 2003	<u> </u>	Examiner Nam	ie	J. M. Dolan		
METHOD OF PAYMENT (check all that apply)    Check   X   Credit Card   Money Order   None   Other (please identify):	Applicant claims sn	mall entity status. S	ee 37 CFR 1.27	Art Unit		2813		-
Check   x   Credit   Card   Money Order   None   Other (please identify):	TOTAL AMOUNT OF P	AYMENT (	\$) 100.00	Attorney Docke	et No.	M4065.0697/F	P697-A	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)    Charge fee(s) indicated below	METHOD OF PAYME	ENT (check all th	at apply)					
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)  Charge fee(s) indicated below Charge fee(s) indicated below, except for the filling fee Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17  FEE CALCULATION  1. BASIC FILING, SEARCH, AND EXAMINATION FEES FILING FEES Small Entity Application Type Fee (\$) Fe	Check X Credi	t Card M	oney Order N	one Other	r (please ide	entify):		
Charge fee(s) indicated below   Charge fee(s) indicated below, except for the filing fee			er: 04-1073 Deposit A	ccount Name:	<u>.</u> [	Dickstein Shapi	ro LLP	
Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17   FEE CALCULATION   T. BASIC FILING, SEARCH, AND EXAMINATION FEES   SMAll Entity   Small Entity   Fee (\$)   Fee	For the above-ide	entified deposit a	ccount, the Director	is hereby authori:	zed to: (ch	eck all that apply)	)	
Tebel   Standard   S	Charge fee	e(s) indicated belo	ow .	Char	rge fee(s) i	ndicated below, e	except for the	filing fee
The content of the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.3(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).    Semall Entity Small Entity Sma				f x Cred	lit any over	payments		_
Search   And Examination Fees   Search   Filling Fees   Search   Fees								
Application Type			INATION FEES					
Application Type							5	
Design   200   100   100   50   130   65							Fees Pa	aid (\$)
Plant	Utility	300	150 500	250	200	100		
Reissue 300 150 500 250 600 300  Provisional 200 100 0 0 0 0 0 0  2. EXCESS CLAIM FEES	Design	200	100 100	50	130	65		
Provisional 200 100 0 0 0 0 0 0 0 0 0 0 0 0 0 2. EXCESS CLAIM FEES	Plant	200	100 300	150	160	80		
2. EXCESS CLAIM FEES  Fee Description  Each claim over 20 (including Reissues)  Each independent claim over 3 (including Reissues)  Each independent claim over 3 (including Reissues)  Multiple dependent claims  Total Claims  Extra Claims  Total Claims  Extra Claims  Fee (\$)  Fee Paid (\$)  Multiple Dependent Claims  Fee (\$)  Fee Paid (\$)  HP = highest number of total claims paid for, if greater than 20.  Indep. Claims  Extra Claims  Fee (\$)  Fee Paid (\$)	Reissue	300	150 500	250	600	300		
Each claim over 20 (including Reissues) Each independent claim over 3 (including Reissues) Each independent claim over 3 (including Reissues)  Multiple dependent claims  Total Claims  Extra Claims  Fee (\$)  Fee Paid (\$)  HP = highest number of total claims paid for, if greater than 20.  Indep. Claims  Extra Claims  Fee (\$)  Fee Paid (\$)  Fee Paid (\$)  HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  (round up to a whole number) x  Fee Paid (\$)  Fee Paid (\$)  Fee Paid (\$)  Fee Paid (\$)	Provisional	200	100	0	0	. 0		
Each claim over 20 (including Reissues)  Each independent claim over 3 (including Reissues)  Multiple dependent claims  Total Claims  Extra Claims  Fee (\$)  Fee Paid (\$)  HP = highest number of total claims paid for, if greater than 20.  Indep. Claims  Extra Claims  Fee (\$)  Fee Paid (\$)  Fee Paid (\$)  Fee Paid (\$)  HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  Fee (\$)  Fee Paid (\$)  Fee Paid (\$)  Fee Paid (\$)  Fee Paid (\$)	2. EXCESS CLAIM FEE:	s						
Each independent claim over 3 (including Reissues)  Multiple dependent claims  Total Claims  Extra Claims  Fee (\$)  Fee Paid (\$)  HP = highest number of total claims paid for, if greater than 20.  Indep. Claims  Extra Claims  Fee (\$)  Fee Paid (\$)								
Multiple dependent claims  Total Claims  Extra Claims  Fee (\$)  Fee Paid (\$)  Multiple Dependent Claims  Fee (\$)  Fee Paid (\$)  HP = highest number of total claims paid for, if greater than 20.  Indep. Claims  Extra Claims  Fee (\$)  Fee Paid (\$)  HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  Fee (\$)  Fee Paid (\$)  Fee Paid (\$)  Fee Paid (\$)  Non-English Specification, \$130 fee (no small entity discount)	7	,	- D - : \					
Total Claims   Extra Claims   Fee (\$)   Fee Paid (\$)   Multiple Dependent Claims	•		g Reissues)					
HP = highest number of total claims paid for, if greater than 20.  Indep. Claims	· ·		=	- 114A				180
HP = highest number of total claims paid for, if greater than 20.  Indep. Claims	Total Claims Ext		e (\$) <u>Fee</u>	Paid (\$)	•			
HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  Fee (\$)  Fee Paid (\$)  Cround up to a whole number) x  Fees Paid (\$)  Non-English Specification, \$130 fee (no small entity discount)	HP = highest number of total		eater than 20.			<u>-66 (\$)</u> 	ree Paid (\$)	_
HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  Fee (\$)  Fee Paid (\$)  Cround up to a whole number) x  Fees Paid (\$)  Non-English Specification, \$130 fee (no small entity discount)	Indep. Claims Ext	tra Claims Fe	e (\$) Fee	Paid (\$)				
3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  (round up to a whole number) x  Fee Paid (\$)  A. OTHER FEE(S)  Non-English Specification, \$130 fee (no small entity discount)	HP = highest number of inde		for, if greater than 3.					
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  Fee (\$)  Fee Paid (\$)  Cround up to a whole number) x  Fees Paid (\$)  Non-English Specification, \$130 fee (no small entity discount)			•					-
Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)  - 100 = /50 (round up to a whole number) x =   4. OTHER FEE(S)  Non-English Specification, \$130 fee (no small entity discount)	If the specification and listings under 37 CF	drawings exceed R 1.52(e)), the a	pplication size fee d	ue is \$250 (\$125	for small			
- 100 = /50 (round up to a whole number) x =  4. OTHER FEE(S)  Non-English Specification, \$130 fee (no small entity discount)						nof Egg (\$)	Eas D	aid (\$)
4. OTHER FEE(S)  Non-English Specification, \$130 fee (no small entity discount)							=	u.u (w)
Non-English Specification, \$130 fee (no small entity discount)				_ ,,	J. 2 <b>2</b>	·	Fees F	Paid (\$)
Other (e.g., late filing surcharge): 1811 Certificate of correction 100.00	Non-English Specific		•	-				
	Other (e.g., late filing	g surcharge): 18	11 Certificate of co	orrection			100	0.00

Registration No. (Attorney/Agent)

28,371

Telephone

Date

Certificate AUG 2 9 2006 of Correction AUG 29 ZUUD

(202) 420-2232

August 24, 2006



Docket No.: M4065.0697/P697-A

(PATENT)

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of: John T. Moore et al.

Patent No.: 7,022,555

Issued: April 4, 2006

For: METHODS OF FORMING A

SEMICONDUCTOR MEMORY DEVICE

## REQUEST FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 C.F.R. §§1.322 & 1.323

Attention: Certificate of Correction Branch

Commissioner for Patents

P.O. Box 1450

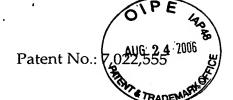
Alexandria, VA 22313-1450

Dear Sir:

Upon reviewing the above-identified patent, Patentees noted typographical and other errors which should be corrected.

In the U.S. Patents portion of the References Cited section, the PTO omitted the following two patents from the IDS dated July 15, 2004 (attached as ExhibitA, Page 1), which should be added:

4,673,957	6/1987	Ovshinsky eff47.572006 TBESHAH1 60000086 01 FC:1811	9 7022555 100.00 OP
5,335,219	8/1994	Ovshinsky et al.	



Docket No.: M4065.0697/P697-A

In the Other Publications portion of the References Cited section, the PTO omitted the following, which should be added, as all other references on those IDSs were included in the printed patent. (See Exhibit A, pages 2 and 3):

- U.S. Appl. No. 09/779,983, filed Feb. 2001, Moore.
- U.S. Appl. No. 09/943,190, filed Aug. 2001, Campbell, et al.
- U.S. Appl. No. 09/943,199, filed Aug. 2001, Campbell, et al.
- U.S. Appl. No. 09/943,187, filed Aug. 2001, Campbell, et al.
- U.S. Appl. No. 10/077,867, filed Feb. 2002, Campbell, et al.
- U.S. Appl. No. 10/232,757, filed Aug. 2002, Li, et al.

On Exhibit A, Page 2, the six patents cited as Nos. AF through AK are included on the patent in the U.S. Patent Documents portion of References Cited. However, the PTO also listed them a second time on Page 7 of the Other Publications portion of References Cited, and they are listed, mistakenly as being applications instead of patents. They should be deleted:

- U.S. Appl. No. 5,238,862, filed Aug. 1993, Blalock et al.
- U.S. Appl. No. 5,360,981, filed Nov. 1994, Owen et al.
- U.S. Appl. No. 5,761,115, filed Jun. 1998, Kozicki et al.
- U.S. Appl. No. 5,896,312, filed Apr. 1999, Kozicki et al.
- U.S. Appl. No. 5,914,893, filed Jun. 1999, Kozicki et al.

Patent No.: 7,022,555 Docket No.: M4065.0697/P697-A

U.S. Appl. No. 6,084,796, filed Jul. 2000, Kozicki et al.

In the Specification, the PTO made the following error to be corrected:

Column 2, line 16, "metal is ion" should read --metal ion--.

In Other Publications, the PTO made the following typographical errors to be corrected:

"Titus, S.S.K.; Chatterjee, R.; Asokan, S., Electrical switching and short-range order in As-Te glasses, Phys. Rev. B 48 (1992) 14650-14652."

### Should read

--Titus, S.S.K.; Chatterjee, R.; Asokan, S., Electrical switching and short-range order in As-Te glasses, Phys. Rev. B 48 (1993) 14650-14652.--; and

"Hirose, et al., "Polarity-dependent memory switching and behavior of Ag dendrite in Ag-photodoped amorphous As<sub>2</sub>S<sub>3</sub> films". Journal of Applied Physics, vol. 47, No. 6, Jun. 1976, pp. 278-2772."

## Should read

--Hirose, et al., "Polarity-dependent memory switching and behavior of Ag dendrite in Ag-photodoped amorphous As<sub>2</sub>S<sub>3</sub> films". Journal of Applied Physics, vol. 47, No. 6, Jun. 1976, pp. 2767-2772.--.

In Other Publications, Applicants made the following typographical errors to be corrected:

"Tranchant, S.; Peytavin, S.; Ribes, M.; Flank, A.M.; Dexpert, H.; Lagarde, J.P., Silver chalcogenide glasses Ag-Ge-Se: Ionic conduction and exafs structural investigation, Transport-structure relations in fast ion and mixed conductors Proceedings of the 6th Riso International symposium. Sep. 9-13, 1985."

### Should read

--Tranchant, S.; Peytavin, S.; Ribes, M.; Flank, A.M.; Dexpert, H.; Lagarde, J.P., Silver chalcogenide glasses Ag-Ge-Se: Ionic conduction and EXAFS structural investigation, Transport-structure relations in fast ion and mixed conductors, Proc. of the 6th RISO Int'l Symp. Sep. 9-13, 1985.--; and

Patent No.: 7,022,555 Docket No.: M4065.0697/P697-A

"Kotkata, M.F.; Afif, M.A.; Labib, H.H.; Hegab, N.A.; Abdel-Aziz, M.M., Memory switching in amorphous GeSeTl chalcogenide semiconductor films, Thin Solid Films 240 (1994) 143-146."

### Should read

--Kotkata, M.F.; Afifi, M.A.; Labib, H.H.; Hegab, N.A.; Abdel-Aziz, M.M., Memory switching in amorphous GeSeTl chalcogenide semiconductor films, Thin Solid Films 240 (1994) 143-146.--.

A few of the errors were found in the application as filed by Applicants. Please charge our Credit Card in the amount of \$100.00 covering the fee set forth in 37 C.F.R. §1.20(a). Credit Card Payment Form SB-2038, with a signature from an authorized cardholder, is enclosed.

The errors now sought to be corrected are inadvertent errors the correction of which does not involve new matter or require reexamination.

Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Patentees respectfully solicit the granting of the requested Certificate of Correction.

4

Patent No.: 7,022,555 Docket No.: M4065.0697/P697-A

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1073, under Order No. M4065.0697/P697-A.

Dated: August 24, 2006

Respectfully submitted,

Thomas J. D'Amico

Registration No.: 28,371

Ryan H. Flax

Registration No.: 48,141 DICKSTEIN SHAPIRO LLP

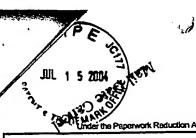
1825 Eye Street, NW

Washington, DC 20006-5403

(202) 420-2200

Attorneys for Applicants

## **Exhibit A**





PTO/SB/08a/b (08-03)

Approved for use through 07/31/2005. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE spord to a collection of information urdess it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

	Complete if Known	_
Application Number	10/774,515	
Filing Date	February 10, 2004	
First Named Inventor	John T. Moore, et al.	
Art Unit	2815 2813	
Examiner Name	Not Yet Assigned	
Attorney Docket Number	M4065.0697//P697-A	

			U.S. PA	TENT DOCUMENTS	
Examine Initials*	Cite No.	Document Number  Number-Kind Code <sup>2</sup> ( If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
			2/2004	Ramachandran et al.	
JUL	<u> </u>	US 2004/0035401	2/2004		<del>\</del>
(.4)	В	US 2003/0212724	11/2003	Ovshinsky et al.	<del></del>
	С	US 2003/0048744	3/2003	Ovshinsky et al.	<del> \</del>
	D	US 2003/0212725	11/2003	Ovshinsky et al.	<del>                                     </del>
	E	US RE 37,259E	7/2001	Ovshinsky	<del></del>
	F	US 3,271,591	9/1966	Ovshinsky	
	G	US 3,961,314	6/1976	Klose et al.	<del></del>
	Н	US 3,966,317	6/1976	Wacks et al.	
	1	US 3,983,542	11/1976	Ovshinsky	
	J	US 3,988,720	10/1976	Ovshinsky	
	К	US 4,177,474	12/1979	Ovshinsky	
	L	US 4,267,261	5/1981	Hallman et al.	
<u> </u>	M	US 4,597,162	7/1986	Johnson et al.	
1	N	US 4,608,296	8/1986	Keem et al.	
<del></del>	10	US 4,637,895	1/1987	Ovshinsky et al.	
$\vdash$	P	US 4,646,266	2/1987	Ovshinsky et al.	
<del></del>	a	US 4,664,939	5/1987	Ovshinsky	
$\vdash$			5/1987	Ovshinsky et al.	
<del></del>	R	US 4,668,968	6/1987	Ovshinsky et al.	
	<u> S</u>	US 4,670,763	6/1987	Ovshinsky et al.	
<b></b>	T	US 4,673,957		Ovshinsky	
	<u>U</u>	US 4,678,679	7/1987	Ovshinsky et al.	
$\perp$	V	US 4,696,758	9/1987		
	W	US 4,698,234	10/1987	Ovshinsky et al.	-
	X	US 4,710,899	12/1987	Young et al.	
	Y	US 4,728,406	3/1988	Banerjee et al.	
	Z	US 4,737,379	4/1988	Hudgens et al.	
	A1_	US 4,766,471	8/1988	Ovshinsky et al.	
	B1	US 4,769,338	9/1988	Ovshinsky et al.	
	C1	US 4,775,425	10/1988	Guha et al.	
	D1	US 4,788,594	11/1988	Ovshinsky et al.	
	E1	US 4,809,044	2/1989	Pryor et al.	
	F1	US 4.818.717	4/1989	Johnson et al.	
1	G1	US 4,843,443	6/1989	Ovshinsky et al.	
	H1	US 4,845,533	7/1989	Pryor et al.	
1	11	US 4,853,785	8/1989	Ovshinsky et al.	
<del></del>	J1	US 4,891,330	1/1990	Guha et al.	
<b> </b>	K1	US 5,128,099	7/1992	Strand et al.	
<b></b>			10/1992	Ovshinsky et al.	
<b> </b>	L1_	US 5,159,661	11/1992	Ovshinsky et al.	
1	M1	US 5,166,758	1/1993	Klersy et al.	
	N1	US 5,177,567		Ovshinsky et al.	
$\vdash$	01	US 5,296,716	3/1994		
	P1	US 5,335,219	8/1994	Ovshinsky et al.	_
1	Q1	US 5,359,205	10/1994	Ovshinsky	
$\mathcal{L}$	; R1	US 5,341,328	8/1994	Ovshinsky et al.	
4	S1	US 5,406,509	. 4/1995	Ovshinsky et al.	
VIII	12 T1	US 5,414,271	5/1995	Ovshinsky et al.	

Exh. A - Page 1



PTO/SB/08a/b (07-05)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE office are required to respond to a collection of information unless it contains a valid OMB control number.

Sut	estitute for form 1449A/B/PT	·o			Complete If Known
-					
II.	<b>IFORMATION</b>	I DI	SCLOSURE	Filing Date	February 10, 2004
S	INFORMATION DISCLOSUR STATEMENT BY APPLICAN	APPLICANT	First Named Inventor	John T. Moore	
				Art Unit	2813
	(Use as many sh	eets as	necessary)	Examiner Name	J. M. Dolan
Sheet	1	of	1	Attorney Docket Number	M4065.0697/P697-A

			U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA**	US-09/779,983	02-08-2001	Moore	
	AB**	US-09/943,190	08-29-2001	Campbell, et al.	
	AC**	US-09/943,199	08-29-2001	Campbell, et al.	
	AD**	US-09/943,187	08-2902001	Campbell, et al.	
	AE**	US-09/732,968	12-08-2000	Gilton	
	AF**	US-5,238,862	08-24-1993	Blalock et al.	
	AG**	US-5,360,981	11-01-1994	Owen, et al.	
	AH**	US-5,761,115	06-02-1998	Kozicki et al.	
	Al**	US-5,896,312	04-20-1999.	Kozicki et al.	
	AJ**	US-5,914,893	06-22-1999	Kozicki et al.	
	AK**	US-6,084,796	07-04-2000	Kozicki et al.	

	FOREIGN PATENT DOCUMENTS					
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>8</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.usplo.gov">www.usplo.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	CA**	Hirose, et al., "High Speed Memory Behavior and Reliability of an Amorphous As <sub>2</sub> S <sub>3</sub> Film Doped with Ag", July 17, 1980, pps. K187-K190.	
	CB**	Hirose, et al., "Polarity-dependent memory switching and behavior of Ag dendrite in Ag- photodoped amorphous As <sub>2</sub> S <sub>3</sub> films", Journal of Applied Physics, Vol. 47, No. 6, June, 1976, pps. 2767-2772.	
	CC**	Kawaguchi, et al., "Optical, electrical, and structural properties of amorphous Ag-Ge-S and Ag-Ge-Se films and comparison of photoinduced and thermally induced phenomena of both systems", Journal of Applied Physics, 79, June 1996, pps. 9096-9104.	
	CD**	Kluge, et al., "Silver photodiffusion in amorphous Ge,Se <sub>100</sub> "Journal of Non-Crystalline Solids 124 (1990) pps. 186-193.	
	CE**	Kolobov, A.V., "Photodoping of amorphous chalcogenides by metals", Advances in Physics, 1991, Vol. 40, No. 5, pps. 625-684.	
	CF**	Milkova, et al. "Dual Chemical Role of Ag as an Additive in Chalcogenide Glasses", Physical Review Letters, Vo. 83, No. 19, pps. 3848-3851.	
	CG**	Milkova, "Insulating and Semiconducting Glasses", Editor: P. Bookchand, World Scientific, New Jersey, 200, pps. 813-843.	
	CH**	Axon Technologies Corporation, TECHNOLOGY DESCRIPTION: Programmable Metalization	

Signature	Considered	

2000 9 Q LUUS

# U.S. DEERTMENT OF COMMERCE PATENTS AND TRADEMARK OFFICE

LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)

AUG 2 4 2006

ATTY. DOCKET NEW MI22-1527

SERIAL NO. 09/797,635

APPLICANT: John T. Moore et al.

FILING DATE March 1, 2001 GROUP 2813

### **U.S. PATENT DOCUMENTS**

Examiner	1	Document	Deke	Name	Class	Subcless	Filing	Date
Initial		Number					W Appro	priate
	M	10/077,867		Campbell et al. (as filed)	* x*		02/20/2	002
	<b>A5</b>	10/232,757		Li, et al. * *		$\mathcal{Y}^{-}$	08/29/2	2002
-	20			omitted				
<u>-</u> 5	40							
	AE							
] 	A*							
<u> </u>	A4							
	AH							
-	N							
) 	A.							
	AK							
			FO	REIGN PATENT DOCUMENTS				
		Document Number	Date	Country	Class	Subclass	Trans	lation
	ļ	Kanon				-	Yes	No
	AL AL					<del> </del>		
		OTHER F	REFERENCES	(including Author, Title, Date, Pe	rtinent Pages, E	c.)		
	AH	Owens et	al., Metal-Ch	alcogenide Photoresists for Higi	h Resolution Lit	hography	and Sub-M	licron
		Stru	ctures, NANOS	TRUCTURE PHYSICS AND FABRICA	TION, pp. 447-4	51 (Acade	mic Press	, 1989)
	۸٥	Safran et	al., TEM stud	dy of Ag <sub>z</sub> Se developed by the i	reaction of poly	crystalline	silver film	s and
		sele	nium, 317 TH	N SOLID FILMS, pp. 72-76 (1998	s). **			
	AP	Shimizu e	et al., The Ph	oto-Erasable Memory Switching	Effect of Ag P	hoto-Dope	d Chalcog	enide
		Glas	sses, 46 Bul.	CHEM. SOC. JAPAN, No. 12, pp.	. 3662-3665 (De	ecember 1	973). <del>×</del>	*
EXAMINE	R			DATE-CONSIDERED-				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. (Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page \_1\_ of \_2\_

PATENT NO.

7,022,555

APPLICATION NO.

10/774,515

**ISSUE DATE** 

April 4, 2006

**INVENTORS** 

John T. Moore et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the U.S. Patents portion of the References Cited section, add the following two patents:

4,673,957

6/1987

Ovshinsky et al.

5,335,219

8/1994

Ovshinsky et al.

In the Other Publications portion of the References Cited section, add the following applications:

U.S. Appl. No. 09/779,983, filed Feb. 2001, Moore.

U.S. Appl. No. 09/943,190, filed Aug. 2001, Campbell, et al.

U.S. Appl. No. 09/943,199, filed Aug. 2001, Campbell, et al.

U.S. Appl. No. 09/943,187, filed Aug. 2001, Campbell, et al.

U.S. Appl. No. 10/077,867, filed Feb. 2002, Campbell, et al.

U.S. Appl. No. 10/232,757, filed Aug. 2002, Li, et al.

Also in Other Publications, on page 7, delete the following:

U.S. Appl. No. 5,238,862, filed Aug. 1993, Blalock et al.

U.S. Appl. No. 5,360,981, filed Nov. 1994, Owen, et al.

U.S. Appl. No. 5,761,115, filed Jun. 1998, Kozicki, et al.

MAILING ADDRESS OF SENDER (Please do not use customer number below): Thomas J. D'Amico

DICKSTEIN SHAPIRO LLP 1825 Eve Street, NW

Washington, DC 20006-5403



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. (Also Form PTO-1050)

U.S. Appl. No. 5,896,312, filed Apr. 1999, Kozicki et al.

U.S. Appl. No. 5,914,893, filed Jun. 1999, Kozicki et al.

U.S. Appl. No. 6,084,796, filed Jul. 2000, Kozicki et al.

In the Specification, the following error is corrected:

Column 2, line 16, "metal is ion" should read --metal ion--.

In Other Publications, the following typographical errors are corrected:

"Titus, S.S.K.; Chatterjee, R.; Asokan, S., Electrical switching and short-range order in As-Te glasses, Phys. Rev. B 48 (1992) 14650-14652."

#### Should read

--Titus, S.S.K.; Chatterjee, R.; Asokan, S., Electrical switching and short-range order in As-Te glasses, Phys. Rev. B 48 (1993) 14650-14652.--;

"Hirose, et al., "Polarity-dependent memory switching and behavior of Ag dendrite in Agphotodoped amorphous As<sub>2</sub>S<sub>3</sub> films". Journal of Applied Physics, vol. 47, No. 6, Jun. 1976, pp. 278-2772."

#### Should read

--Hirose, et al., "Polarity-dependent memory switching and behavior of Ag dendrite in Agphotodoped amorphous As₂S₃ films". Journal of Applied Physics, vol. 47, No. 6, Jun. 1976, pp. 2767-2772.--.

In Other Publications, Applicants made the following typographical errors to be corrected:

"Tranchant, S.; Peytavin, S.; Ribes, M.; Flank, A.M.; Dexpert, H.; Lagarde, J.P., Silver chalcogenide glasses Ag-Ge-Se: lonic conduction and exafs structural investigation, Transport-structure relations in fast ion and mixed conductors Proceedings of the 6th Riso International symposium. Sep. 9-13. 1985."

### Should read

-- Tranchant, S.; Peytavin, S.; Ribes, M.; Flank, A.M.; Dexpert, H.; Lagarde, J.P., Silver chalcogenide glasses Ag-Ge-Se: Ionic conduction and EXAFS structural investigation, Transportstructure relations in fast ion and mixed conductors, Proc. of the 6th RISO Int'l Symp. Sep. 9-13, 1985.--;

"Kotkata, M.F.; Afif, M.A.; Labib, H.H.; Hegab, N.A.; Abdel-Aziz, M.M., Memory switching in amorphous GeSeTI chalcogenide semiconductor films, Thin Solid Films 240 (1994) 143-146."

#### Should read

--Kotkata, M.F.; Afifi, M.A.; Labib, H.H.; Hegab, N.A.; Abdel-Aziz, M.M., Memory switching in amorphous GeSeTI chalcogenide semiconductor films, Thin Solid Films 240 (1994) 143-146.--.

MAILING ADDRESS OF SENDER (Please do not use customer number below): Thomas J. D'Amico DICKSTEIN SHAPIRO LLP 1825 Eye Street, NW Washington, DC 20006-5403

2